





PAGER

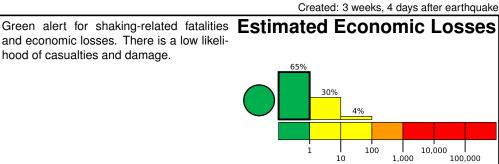
Version 9

M 5.7, 8 km NE of Chiautla de Tapia, Mexico

Origin Time: 2023-12-07 20:03:38 UTC (Thu 14:03:38 local) Location: 18.3491° N 98.5395° W Depth: 51.6 km

Estimated Fatalities 10,000 100,000 1,000

and economic losses. There is a low likelihood of casualties and damage.



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	19,986k*	28,822k	224k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

17.6°N

population per 1 sq. km from Landscan



Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1995-09-14	166	7.3	V(459k)	3
1999-06-15	114	6.9	VI(178k)	16
1973-08-28	204	7.2	VII(847k)	600

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org MMI City Population Ciudad de Chiautla de Tapia 10k Chiautla de Tapia 12k Atencingo 13k Huehuetlan El Chico 5k Chietla 6k Ayutla 7k ΙV Puebla 1,590k IV Cuernavaca 344k IV **Mexico City** 12,294k Ш Toluca 506k Ш Xalapa de Enriquez 425k

bold cities appear on map.

(k = x1000)

Teziutlan Eratepec Mexico Citv	
	Star
Maxima Lity	10
J DECKEO CITY	
	1.
Ruebla	104
. Orizaba	li i Bar
18.8°N	30

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Malinaltepec

Ometepec

pulco de Juarez

Ciudad de Huitzuco

Chilpancingo de los Bravos